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**Subject:** Fort Gordon Battle Lab's initial assessment and overview of the bio-remediation benefits for BBWG 701 (a micro-bacteria agent) related to its potential as a bio-remediation technology solution for the current BP oil spill crisis in the Gulf of Mexico.

**Bottom Line Up Front (BLUF):** BBWG 701 has been presented to the Fort Gordon Battle Lab as an immediately available, bio-remediation technology. The product's testing results have provided a demonstration that it is environmentally friendly, bio-remediation technology that works as claimed in a laboratory environment. As a first step, the BBWG 701 technology should be immediately approved (including any EPA waivers for the BBWG 701 that may be required) for application testing in controlled areas of oil-spill damaged Gulf shoreline areas to determine the feasibility of success on a larger scale.

**Process Overview:** It is important to understand the role of the Battle Laboratory at Fort Gordon, Georgia in order to see how the Lab functions as a conduit for rapid development and tech insertion for advanced technologies and solutions such as the BBWG 701 when presented to the Government. The Battle Lab is part of the Department of Defense (DOD) Battle Lab community of practice (COP) and since its inception in the early 1990s has developed partnerships with the Army acquisition community, commercial and government technology base, and industry partners (IR&D) to make advanced technology solutions available to the Military through rapid insertion means. The DOD Battle Labs are responsible to conduct research, analysis, prototyping, experimentation, testing and evaluations for the purpose of leveraging advanced-technology solutions for rapid integration into the U.S. Military force and to the DOD and in some cases mature solutions are provided back to the commercial and industrial sector. The Battle Labs are approved to sponsor and enable fast track capability insertions for nominated innovative solutions after a thorough assessment and evaluation for potential integration into existing and future projects across the COP. This rapid tech-insertion capability compliments and augments the standard capability acquisition process for DOD that typically requires an extended time period for processing and multi-levels of the approval process prior to a final decision. The Fort Gordon Battle Lab has the authority to act as a conduit for various commercial partners, vendors, companies and industry, and academia and seeks out to identify potential innovative technology solutions such as this bio-remediation technology.

**Assessment Brief:** The Battle Lab at Fort Gordon was contacted about the BBWG 701 technology about 10 days after the BP oil spill began in order to present to the Government and Military science and technology (S&T) community a proposed solution for remediation activities. The Battle Lab conducted reviews of both the technical specifications and the records of multiple small scale lab experiments of the BBWG 701 micro-bacteria agent technology as they became available; and the initial assessment is that this environmentally-friendly, remediation technology could serve as an immediate solution and should be given due consideration for use by the Federal, State, and Local Governments as a part of their remediation strategy. In the event the Government is placed in charge of the Gulf shoreline area cleanup activities and remediation projects, the BBWG 701 presents a viable candidate solution that is enhanced since it provides non-toxic means of breaking down and dispersing fresh and weathered hydrocarbons without doing harm to the environment. The composition of the BBWG 701 is entirely organic and uses naturally occurring micro-organisms and microbes that have the ability to return oil spill-caused contaminated environments back to a restored condition as fully described in the attached overviews. The obvious benefits of using BBWG 701 as an organic, super concentrated, non-toxic, bio-surfactant for breaking down and dispersing fresh and weathered hydrocarbons is that it is not harmful to the environment and there seem to be no evidence of harmful residuals after the remediation process has completed. Please refer to the attached BBWG 701 product overview and brief test narrative for additional information on the technology.

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